

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 November 2005 (03.11.2005)

PCT

(10) International Publication Number
WO 2005/102517 A1

(51) International Patent Classification⁷: **B01J 29/04**

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(21) International Application Number:
PCT/KR2005/001120

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 19 April 2005 (19.04.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0027842 22 April 2004 (22.04.2004) KR

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(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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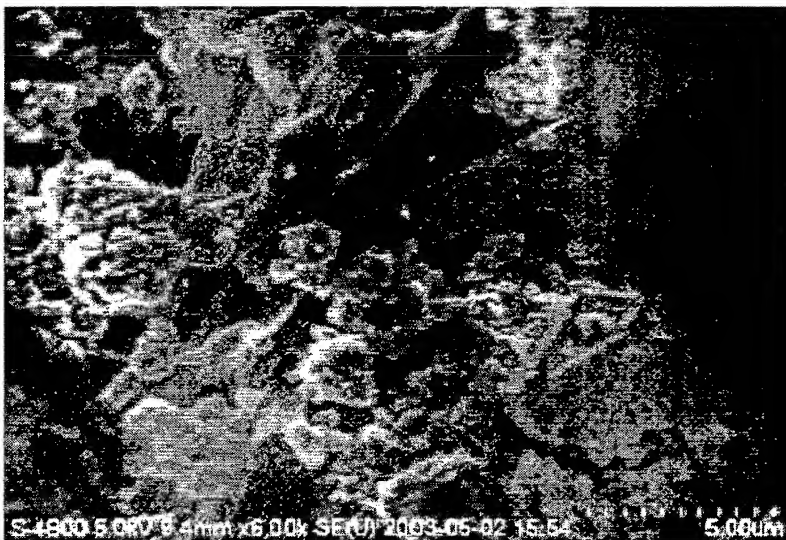
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Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HYDROCARBON CRACKING CATALYST AND METHOD FOR PREPARING THE SAME



(57) Abstract: The present invention relates to a hydrocarbon cracking catalyst in which zeolite is fixed in the pores of metal oxide and a method for preparing the same. The method of the invention comprises the steps of a) vacuumizing a container including metal oxide; b) adding zeolite powder in water and stirring it to obtain a slurry solution; c) spraying the slurry solution of step (b) into the vacuous container to penetrate it into the pores of the metal oxide support; and d) drying the catalyst prepared, in step (c) and calcining it to fix zeolite powder in the metal oxide support. The hydrocarbon cracking catalyst of the present invention can improve production yield of such olefins as ethylene and propylene and such aromatic compounds as BTX, reduce pressure drop inside the reactor without forming the zeolite catalyst and has

superior rigidity.

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